


Profile

Name of the Faculty	Dr.Piratla Srihari	
Designation	Professor	
Department	Electronics and Communication Engineering	
Area of Interest	Communications and Signal processing	
Subjects Taught	Signals and Systems, Probability Theory and Stochastic Processes, Analog Communication, Digital Communication, Digital Signal Processing	
JNTUH Registration Id	72150401-095414	
College Staff Code	EC1424	
Official Mail	Srihari.ece@gcet.edu.in	

Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	B.E.	Electronics & Communication Engg.	S.R.K.R. Engg. College, Bhimavaram (Affiliated to Andhra University, Visakhapatnam)	1988
2	M.S.	Electronics & Control	BITS, Pilani	1992
3	M.Tech	Digital Systems & Computer Electronics	JNTU, Hyderabad	2001
4	Ph.D	Error Control Coding	JNTU, Hyderabad	2007

Paper Publications:

S. No.	Research Publications
1	P.Srihari ,Dr. B.C.Jinaga – DATA INVERTING CODES – A Single error correcting coding Scheme” – Journal of Current Sciences, volume VII, Number – 1, 2005,p.No.25-31.
2	Dr.P.Srihari ,Dr. B.C.Jinaga – ‘Algorithms for the Generation of Efficient Variable Length Binary Source Code Words for Discrete Sources”- IUP Journal of Information Technology”, Vol.VII, No.4, PageNo.49-55, December, 2011.
3	C.V.Rambabu and Dr.P.Srihari- “Signal Estimation from Noisy Environment using Adaptive signal processing-A Lab View Approach”- Journal of Engineering, Science and Technology Management, July, 2012.
4	K.Radha and Dr.P.Srihari-“FPGA Based Spectrum Sensing for Cognitive Radio”– Journal of Information, Knowledge and Research in Electronics and Communication Engineering, NOV 11 to OCT 12 , Volume – 02, Issue - 01, Page 330-335.
5	Dr.P.Srihari – “A Comparative Study of the Error Performance of Multiple Error Correcting Coding Schemes – Sum Codes and Multiplication Codes”- IUP Journal of Tele communications”, Vol.VI, No.3, August 2014 ,Pg.Nos.07-19
6	N.Shribala, Dr.P.Srihari and Dr.B.C.Jinaga –“ BER Performance analysis of data negation codes”- The IUP Journal of Information Technology, Vol. XI, No. 2, June 2015, pp. 48-64
7	K.Deepti , Dr. P.Srihari and Dr. K.Manjunath Achari -“ Simulation Analysis and Design of an Optimized controller Model for Photovoltaic system under uniform and non-uniform shaded conditions - I-manager’s Journal of Electronics Engineering, Volume 5.No.4,June-August,2015
8	R.S.S. Maukthika, P. Namratha and Dr.P. Sri Hari – “Investigations on Performance characteristics of F BMC: A Physical layer for next generation Telecom”- ICTACT Journal on communication Technology, December 2018, volume: 09, issue: 04, Page. Nos.1899-1903.
9	K.Deepti , Dr. P.Srihari and Dr. K.Manjunath Achari-“ Implementation of an Adaptive Neural Network-Based Controller for Improving the Conversion Efficiency of Solar Photovoltaic Module”- J. Inst. Eng. India Ser. B, Springer, https://doi.org/10.1007/s40031-021-00680-9 , October -2021.
10	Dr.P.Srihari ,Dr. B.C.Jinaga – “Design of (2k-1,k) Systematic Double Error Correcting Codes”- “International Journal of Computer Applications in Engineering, Technology and Sciences”, Vol-2, Issue-2, April-10-Sep-10, PageNo.13-16.
11	N.Shribala, Dr.P.Srihari and Dr.B.C.Jinaga - “Performance Analysis of Data Negation Codes for Cognitive Radio” -“International Journal of Scientific Engineering and Technology (ISSN:2277-1581), April 2013, Vol.No.2, Issue No.4,p.No:233-238.
12	Dr.P.Srihari, B.L.Prakash -“Weight Based Codes-A Binary Channel Coding Scheme”- International Journal of Electronics, Communication and Instrumentation Engineering Research & Development(ISSN No.- 2249-7951)-TRANS STELLER Journal Publications, August 2013, Vol.3, Issue-4, P.No.23-36.
13	Dr.P.Srihari-“ Sum Codes-A Binary Channel Coding Scheme”- International Journal of Computer Science and Technology(ISSN No.-2229-4333)- Vol. 5 Issue Spl 1, January - March, 2014, p.No.60-64.
14	Dr.P.Srihari-“ Multiple Error Correcting Binary Channel Coding Schemes and their error Performance”- International Journal of Innovative Research in Computer and Communication Engg.”(ISSN No.-2320-9798)- Vol. 2 Issue 2, February, 2014.
15	N.Shribala, Dr.P.Srihari and Dr.B.C.Jinaga - "Spectrum Sensing and Security Challenges and Solutions: Contemporary Affirmation of the Recent Literature"- Global Journal of Computer Science and Technology , Global Journals Incorporated, USA Volume 14 Issue 5 Version 1.0,2014

16	Dr.P.Srihari-"Multiplication Codes-A Multiple Error correcting Binary Channel Coding Scheme"-International Journal of Applied Engineering Research, Vol.No.9 ,Pg.Nos.8857-8873 August 2014
17	Samarth Kerudi, Dr. P.Srihari - "A Comparative study on synchronization Algorithms for various modulation techniques in GSM"- International Journal of Computer Engineering and Technology, Volume 6, Issue 2, February (2015) Page Nos.38-44
18	Samarth Kerudi, Dr. P.Srihari "Low SNR GMSK Synchronization Scheme for GSM Communication System"- Global Journal of Researches in Engineering, Global Journals Incorporated, USA Volume 15 Issue 8 Version 1.0 2015 P.No.7 to 14
19	K.Jamal, Dr.P.Srihari -" Low Power TPC using BSLFSR"-International Journal of Engineering and Technology, Vol 8 No 2 Apr-May 2016, page Nos.759-767
20	K.Jamal, Dr.P.Srihari -"Test Vector Generation using Genetic Algorithm for Fault Tolerant Systems"- International Journal of Control Theory and Applications- International Science Press, Vol.9, 2016,Page.Nos.381-389
21	K.Deepti , Dr. P.Srihari and Dr. K.Manjunath Achari-"MPTT based Auto Integrated Dust Control and Efficient cooling Mechanism for improving the efficiency of Photovoltaic based system"-Indian Journal of Science and Technology,,Vol-9(31), August -2016, Page Nos.1-7
22	N.Shribala, Dr.P.Srihari and Dr.B.C.Jinaga - "Multi Channel Scheduling with optimal spectrum channel hole-filling(MCS-OSHF) for cognitive Radio Networks"- Global Journal of Computer Science and Technology, Global Journals Incorporation, USA, Vol.16,Issue 7, Version.1.0
2324	N.Shribala, Dr.P.Srihari and Dr.B.C.Jinaga -" CQS: Heuristics to Capitalize on Quality of Service for Cooperative Underlay Spectrum Sensing in Cognitive Radio Ad hoc Networks"- International Journal of Applied Engineering Research ISSN 0973-4562 Volume 11, Number 9 (2016) Page Nos. 6132-6138
25	N.Shribala, Dr.P.Srihari and Dr.B.C.Jinaga- "QMCP:QOS Aware Multi-Channel Path discovery for end to end data Transmission over Cognitive Radio Adhoc Networks"- International Review on Computers and Software(I.RE.CO.S), Vol 11,N.12 December-2016,ISSN No.1828-6003, Page.Nos.1054 to 1064.
26	Samarth Kerudi, Dr. P.Srihari - "Fast Synchronization Scheme for GSM at Low SNR"- International Journal of Emerging Technology and Advanced Engineering, Vol.7, Issue-6, 2017, Page Nos.37-46.
27	K.Jamal, Dr.P.Srihari -"SRAM Interface and AHB-Lite interconnect Testing"- International Journal of Engineering Sciences and Technology, Vol.9, No.05, May 2017, Page Nos. 311-318
28	Samarth Kerudi, Dr. P.Srihari - "A Novel Joint Synchronization scheme for low SNR GSM system"- International Journal of Application or Innovation in Engineering and Management, Volume 6, Issue5, May 2017, page Nos.59-64
29	. K.Jamal, Dr.P.Srihari-"Design and Implementation of SIC pairs on FPGA- International Journal of Emerging Technology and Advanced Engineering, Volume 7,

	Issue 10, October 2017,Page Nos.11-16.
30	K.Jamal, Dr.P.Srihari-"Low Power Test Pattern Generation using Test-per-scan Technique for BIST Implementation- ARPJ Journal of Engineering and Applied Sciences Vol.13, No.8.April , 2018,Page.Nos.2855-2863.
31	Samarth Kerudi, Dr. P.Srihari- " A Joint Synchronization Measure for M2M Communication over LTE Network"- Journal of Advanced Research in Dynamical and Control Systems Vol.10 ,05-Special issue,2018,Page Nos.1450-1462
32	A.Ramakrishna, Dr.N.Balaji, Dr. P. Srihari-"Software defined Radio with LFSR and Hard decision based Viterbi Decoder" Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 02-Special Issue, 2018, Page Nos.1405-1415
33	K.Jamal, Dr.K.Manjunath Achari, Dr.P.Srihari -" Test Pattern Generation using Thermometer Code Counter in TPC Technique for BIST Implementation"- Elsevier Journal "Microprocessors and Microsystems ", (ISSN No. 0141-9331) September 2019, Page Nos. 1-7.
34	Dr.P.Srihari- "SUMULTI CODES- A Binary Forward Error Correcting Scheme"- International Journal of Future Generation Communication and Networking, ISSN No. : 2233-7857, Vol. 13, No. 1, (2020), pp. 1170-1175.

Books/Book Chapters Published:

S. No.	Publication details
1	An Introduction to Principles of Digital Communication Engineering – LAXMI Publications, New Delhi
2	Probability Theory and Stochastic Processes – Hi Tech Publishers, Hyderabad.
3	Title of the Book: HMLCO-2021: Handbook of Machine Learning for Computational Optimization: Applications and Case Studies-CRC Press(Taylor and Francis group), 1 st Edition, ebook ISBN-9781003138020 ❖ Title of the chapter: ▪ Random Variables in Machine Learning
4	Title of the Book: HMLCO-2021: Handbook of Machine Learning for Computational Optimization: Applications and Case Studies-CRC Press(Taylor and Francis group), 1 st Edition, ebook ISBN-9781003138020 ❖ Title of the chapter: ▪ Weight Based Codes-A Binary Error Control Coding Scheme-A Machine Learning Approach

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Experience:

Teaching	32 Years
Industry	---
Research	----
Total Experience	32 Years

